A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B21D43/05				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)  IPC 7 B21D				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)				
EPO-Internal, WPI Data, PAJ				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
۸	DE 198 01 731 A1 (MUELLER WEING	SARTEN AG	1	
A	88250 WEINGARTEN, DE)			
	22 July 1999 (1999-07-22)			
	cited in the application column 3, line 27 - column 5, line 10;			
	figure 2a			
A	EP 1 040 881 A (MUELLER WEINGARTEN AG)			
^	4 October 2000 (2000–10–04)			
	column 5, line 1 - line 46; figure 4			
A	DE 196 36 822 A1 (UMFORMTECHNIK ERFURT 1			
	GMBH, 99086 ERFURT, DE)			
	12 March 1998 (1998-03-12)			
	the whole document			
Further documents are listed in the continuation of box C.				
° Special categories of cited documents:  "T" later document published after the International filing date				
*A* document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention			the application but	
are the description of the second of the sec		*X* document of particular relevance; the	'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another		involve an inventive step when the de  "Y" document of particular relevance; the	involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention	
"O" docum	n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an indocument is combined with one or m	ore other such docu-	
other means  "P" document published prior to the international filing date but  later than the priority date claimed		in the art.  *&* document member of the same patent	•	
Date of the actual completion of the International search		<u> </u>	Date of mailing of the International search report	
1 April 2005		11/04/2005	11/04/2005	
Name and malling address of the ISA		Authorized officer	Authorized officer	
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk				
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Ritter, F		